



Bay Creek Communications, LLC
107 Mason Ave
Cape Charles, VA 23310
757.331.8700
CUN: VA0636
FRN: 0011671914
WQOX697

March 3, 2014

Letter - Expression of Interest VIA ECFS

Chairman Thomas Wheeler
Commissioner Mignon Clyburn
Commissioner Jessica Rosenworcel
Commissioner Ajit Pai
Commissioner Michael O'Rielly
Jonathan Chambers
Federal Communications Commission
445 12th Street, SW 20024
Washington, DC

**Re: Expression of Interest - Rural Broadband Trials
Connect America Fund, WC Docket No. 10-90**

Dear Chairman Wheeler, Commissioners, and Mr. Chambers,

Bay Creek Communications submits this letter of interest for Connect America Funding to provide state-of-the-art broadband services to our customers in Accomack and Northampton Counties on Virginia's Eastern Shore.

Background

Bay Creek Communications is a rural Cable Television, Internet and Voice of Internet Protocol (VOIP) Services provider, established in 2003. Our current service areas include towns of Accomack and Northampton Counties of Virginia. Services are brought to local businesses and homes by fixed wireless, fiber and coaxial transmission medium.

Geographic Territory

Bay Creek Communications would like to expand our Fixed Wireless Broadband and Fiber Network to some or all of the areas indicated on the following chart based on the Census Tract Data/Broadband Need released by the FCC. The area listed are areas which have been discussed with the general public, business owners and local government officials as being underserved by none or substandard Broadband services provided by the local CLECs and ILEC.

We are also interested in providing services to underserved communities in Maryland and Hampton Roads Virginia if sustainable models can be produced with the resources available.

State	County	Name	TractID	Eligible High Cost Locations	Extremely High Cost Locations	Annual Support
VA	51001	Accomack	51001090200	226	8	141224.03
VA	51001	Accomack	51001090300	194	1	88040.59
VA	51001	Accomack	51001090400	77	3	148551.96
VA	51001	Accomack	51001090500	83	2	49148.63
VA	51001	Accomack	51001090600	62	4	100118.93
VA	51001	Accomack	51001090700	84	5	183547.97
VA	51001	Accomack	51001090800	82	3	104267.81
VA	51001	Accomack	51001980100	2	1	2595.36
VA	51001	Accomack	51001980200	4	0	1007.71
VA	51131	Northampton	51131930100	96	2	121119.28
VA	51131	Northampton	51131930200	156	6	243288.88
VA	51131	Northampton	51131930300	80	6	149882.64
				1146	41	1332793.79



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Proposed Technology

Bay Creek Communications will be using a multi-vendor network infrastructure to include but not limited to equipment from Cisco, Ubiquiti, Powercode, and Motorola. Existing Bay Creek Communication's fiber optic backbone and network infrastructure will be utilized where possible, additional circuits may be provided by, but not limited to Eastern Shore of Virginia Broadband Authority (ESVBA) and other circuit providers as needed. Bay Creek Communication's transmission medium will consist of but not limited Fixed Wireless, Fiber Optic, Coaxial and Microwave technologies.

Pricing and Wireless Network Diagram included in Appendix A & Appendix B.

Project Time Line

Engineering and design is underway for this project. It is estimated construction could begin within one month of funding. Bay Creek Communications has already been working closely with property owners for tower placements, and the local electric company for pole attachment access.

Existing Providers

Eastern Shore of Virginia Broadband Authority
Eastern Shore Communications
Verizon
Level 3

Local Participation

Bay Creek Communications has been in official communication with many towns and communities in both Northampton and Accomack counties where existing DSL services are substandard or lacking. Bay Creek Communications also works closely with the Eastern Shore of Virginia Broadband Authority to provide last mile services to the community.

List of Anchor Institutions

- Schools: Accomack & Northampton County Public Schools, Six (6) Private Schools
- Libraries: Eastern Shore Public Library, Four (4) Locations
- Healthcare: Riverside Memorial Hospital, Eastern Shore Rural Health, Private and Public Health Services Offices
- City offices: Accomack and Northampton Counties and Towns within
- Centers: Several Federal and Government Facilities including Wallops Flight Facility and NASA.

Total Business Investment

At this early stage total business investment cannot be estimated. We do however believe that our experience has shown that our Fixed Wireless Broadband Network is the most cost effective solution for this challenge. We present the most impact per dollar as it relates to providing reliable Broadband Internet Connections to the un-served and under-served.

Funding Method Overview

NCW prefers a funding method that would fund some part of initial capital costs and then provide reimbursement based on how many homes/businesses we were actually able to service within the target area. We can use a standardized signed affidavit showing proof that we installed service at each pre-defined location and would request some pre-agreed compensation or subsidy per installation. Also we would encourage a model that may reimburse a portion of our operating costs for customers in these difficult to service low-density markets.



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We believe that already we can service some of the homes and businesses in the targeted census tracts if some subsidy was available to make the cost of service more affordable for NCW and the end-users.

Thank you for considering our Expression of Interest in your decisions about the amount of funding that will be allocated in the Rural Broadband Experiments. We commend the FCC in this effort to connect rural communities and are ready to help you close the digital divide.

Sincerely,

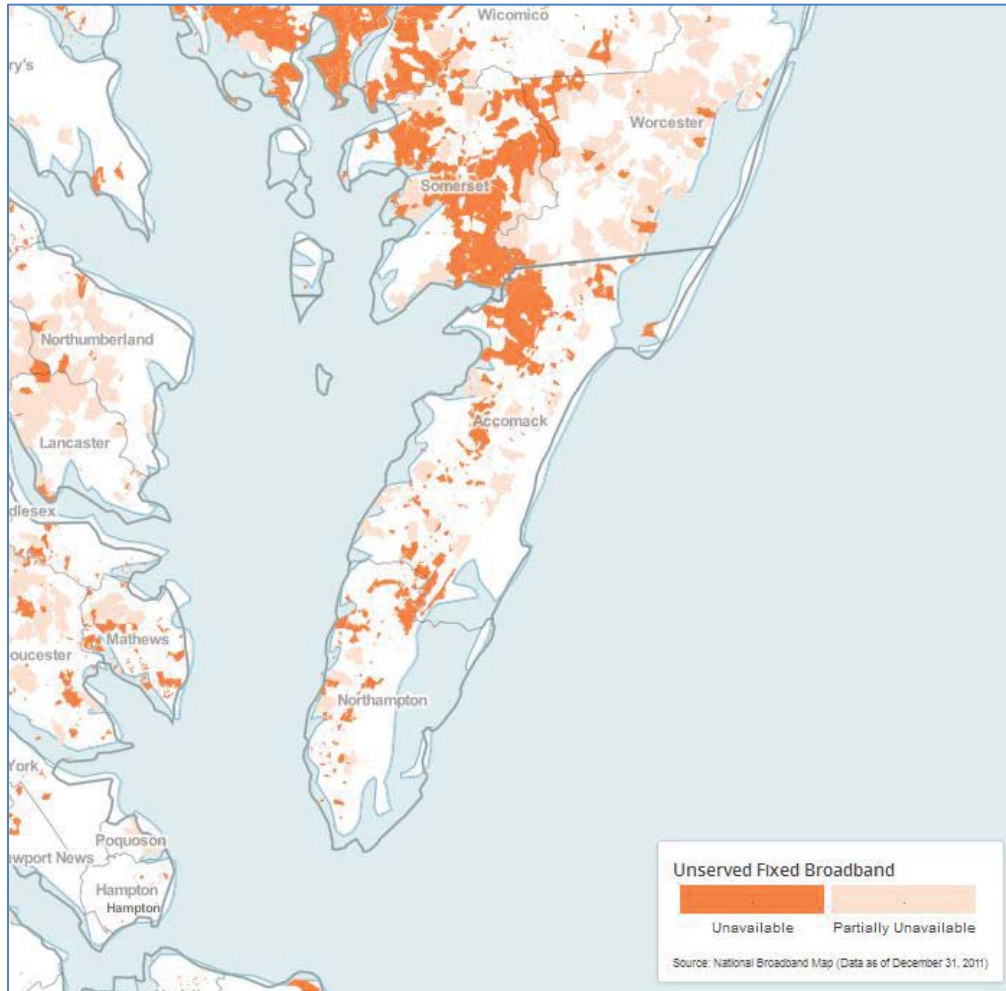
A handwritten signature in black ink, appearing to read "B. Manley", with a stylized flourish at the end.

Brian Manley
General Manager
Bay Creek Communications



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Unserved and Partially Unserved Areas for Fixed Broadband





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Appendix A - Published Non-Contract Service Rates

The following services and rates are for standard Residential and Business Internet service. No Service contracts are required for service. Service includes five (5) email addresses and 10Mb of Personal Web Space. Public IP Addresses are assigned to each user; Static IP Addresses are assigned to all Business Standard Internet and above. Additional Advanced Commercial services are available with pricing based on term and level of services. Bandwidth rates and consistently upgraded, providing more bandwidth at the existing prices.

Residential WiMax Monthly Service Rates:

Value Internet\$24.99
Up to 2Mb downstream / 512Mb upstream

Standard Internet\$49.99
Up to 6Mb downstream / 1Mb upstream

Preferred Internet\$59.99
Up to 10Mb downstream / 3Mb upstream

Premier Internet\$79.99
Up to 15Mb downstream / 4Mb upstream

Business WiMax Monthly Service Rates:

Value Internet\$29.99
Up to 3MB downstream / 512KB upstream

Standard Internet\$59.99
Up to 6MB downstream / 1.5KB upstream, Static IP Address

Preferred Internet\$69.99
Up to 10MB downstream / 3MB upstream, Static IP Address

Premier Internet\$89.99
Up to 15MB downstream / 4MB upstream, Static IP Address

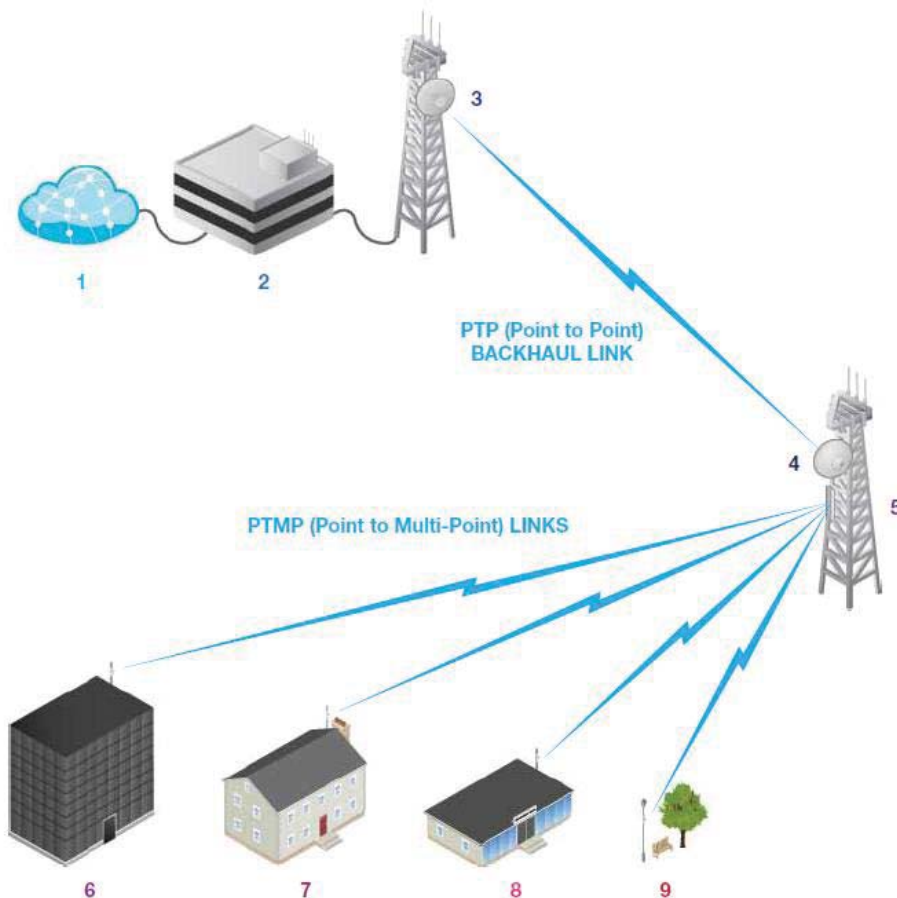
WiMax Activation/Installation Rates:

Internet Activation.....\$39.99

Professional Installation..... \$159.99
Installation and configuration of CPE, router and email

Additional costs for installation, extending the point of demarcation, construction, inside wiring and equipment may apply. Offer does not include applicable taxes, surcharges or fees. BCC cannot guarantee uninterrupted or error-free Internet service or the speed of your service. Rates and bandwidth options vary and are subject to change. Other restrictions apply. ©2010 Bay Creek Communications, LLC. All rights reserved.

Appendix B - Wireless Network & Equipment Diagrams



Example Wireless Deployment Scenarios

1. Internet Backbone
2. Bay Creek Communications Network
3. Rocket Dish with Rocket M Radio
4. Rocket Dish with Rocket M Radio
5. BaseStation Array with Rocket M Radios with Sector or Omni Directional Antennas
6. Corporate Building with NanoStation CPE
7. House with Nanostation CPE
8. Small Business with NanoStation CPE
9. Lightpole with NanoStation CPE daisy-chained to a PicoStation to create a wireless hotspot.